Index of Claims



Application/Control No.

Applicant(s)/Patent under Reexamination

10/613,782

Date

Examiner

MATTEI ET AL.
Art Unit

Tamthom N. Truong

1624

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
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| ı | Interference |

| Α | Appeal   |
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| Cla             | Date   |   |              |              |  |                |              |              |               |                 |
| - 016           |  | $\vdash$  | ·            | _            | <del>_</del>                                     |                | Ť            | ı –          | _             | $\vdash$        |
| <u>~</u>        | Original                                     | မြွ   |              |              |  |                |              |              |               |                 |
| Final           | : <u>ā</u>                                   | 90/9/2  |              |              |  |                |              |              |               |                 |
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| -               | 1  | <del> -</del>   | -            | ├-           | ⊢  | $\vdash$       | ⊢            | ⊢            | $\vdash$      | Н               |
| 2 3             | 1<br>2<br>3<br>4<br>5                        | lī  | <del> </del> | ⊢            | ⊢  | -              | ┢            |              | $\vdash$      | Н               |
| 2               | 2  | ₩   |              | $\vdash$     | -  | <del>  -</del> | ⊢            |              | ┢             | Н               |
| 1               | 7  | Н   | ┝            | ┢            | ├  | -              | -            | ┢            | $\vdash$      | H               |
| 4               | 5  | ╘   | ┢            | -            | $\vdash$   |                | $\vdash$     | ┢            | -             | Н               |
| <u> </u>        | 6  | -   | ├─           |              | $\vdash$   | $\vdash$       | _            | -            | ┢             | Н               |
| 6               | 7  | =   | -            | ┢            | -  | -              | ┢            | ┢            | ⊢             | Н               |
| 7               | 8  | ᆖ   | ┢╌           |              | ┢  | ┢              | $\vdash$     | ┢            | -             | $\vdash$        |
| <del></del>     | و  | F   | $\vdash$     | ┢            | $\vdash$   | $\vdash$       | ├─           | ├-           | ⊢             | Н               |
| 8               | 10   | =   | ┝            | ┢            | ⊢  | ┢              | ┢            | _            | -             | Н               |
| 9               | 11   | ÷   | ⊢            | ┢            | $\vdash$   | ┝              | -            | ⊢            |               | Н               |
| 10              | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | H   | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$     | $\vdash$     | -             | $\vdash \vdash$ |
| 11              | 12   | ╫   | ├-           | <del> </del> | $\vdash$   | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$      | Н               |
| 11<br>12<br>13  | 14   | ╫   | ⊢            | ⊢            | <del>                                     </del> | ⊢              | -            |              | <del> -</del> | ┝╌┤             |
| 12              | 15   | H   | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | -            | -            | -             | ⊢               |
| 13              | 10   | ╫   | $\vdash$     | $\vdash$     | -  | -              | -            | <del> </del> | -             | $\vdash \vdash$ |
| 14<br>15        | 10   | ╀   | -            | $\vdash$     | $\vdash$   | 1-0            | $\vdash$     | <u> </u>     | H             | Н               |
| 15              | 17   | -   | <u> </u>     | <u> </u>     | ⊢  | -              | -            | Ŀ            | -             | Н               |
| 16              | 18   | =   | ⊢            | <u> </u>     | ⊢  | <u> </u>       | <u> </u>     | <u> </u>     | H             | Н               |
| <u> </u>        | 19<br>20                                     | _   | <u> </u>     | _            | _  | <u> </u>       | <u> </u>     | <u> </u>     | _             | Н               |
| <u> </u>        | 20   | _   | _            | _            | _  |                | _            | _            | _             | Щ               |
| <u> </u>        | 21<br>22<br>23                               | ļ   | <u> </u>     | <u> </u>     | <u> </u>   | _              | <u> </u>     | _            | L             | Ш               |
|                 | 22   | <u> </u>  | _            | _            | <u> </u>   | _              | <u> </u>     |              | _             | Щ               |
| <u> </u>        | 23   | <u> </u>  | <u> </u>     | <u> </u>     | _  | _              | <u> </u>     | L            |               | Щ               |
|                 | 24<br>25                                     |   | L            | <u> </u>     | <u> </u>   | <u> </u>       | <u> </u>     | L            | _             | Ш               |
|                 | 25   | L   | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>       | L            | <u> </u>     |               | Ш               |
|                 | 26   | L   | L            |              | _  | <u> </u>       | _            | <u> </u>     |               | Ш               |
|                 | 27   | L   | L_           |              | <u> </u>   | L              |              | L_           |               | Щ               |
|                 | 28<br>29                                     |   | <u> </u>     |              | <u></u>  | _              |              | _            |               | Ш               |
|                 | 29   | L   | <u> </u>     |              | 乚  |                |              | <u>_</u>     |               | $\Box$          |
|                 | 30<br>31                                     | $ldsymbol{ld}}}}}}$ | $oxed{oxed}$ |              |  | L              | L            |              |               | Щ               |
|                 | 31   | L   |              |              |  | Ŀ              |              |              |               | Ш               |
|                 | 32<br>33                                     | <u> </u>  | L_           | ــنــا       |  | _              | _            |              |               | Ш               |
|                 | 33   |   |              |              | L  | _              | _            |              |               |                 |
|                 | 34   |   |              |              |  |                | $oxed{oxed}$ |              |               | Ш               |
|                 | 35   |   |              |              |  |                |              |              |               |                 |
|                 | 36   |   |              |              |  |                |              |              |               |                 |
|                 | 37   |   |              |              |  |                |              |              |               |                 |
|                 | 38   |   |              |              |  |                |              |              |               |                 |
|                 | 39   |   |              |              |  |                |              |              |               |                 |
|                 | 40   |   |              |              |  |                |              |              |               |                 |
|                 | 41   |   |              |              |  |                |              |              |               | $\Box$          |
|                 | 42   |   | _            |              |  |                |              |              |               | П               |
|                 | 43   |   |              |              |  |                |              |              |               | $\Box$          |
|                 | 44   |   |              |              |  | $\Box$         |              |              |               | П               |
|                 | 45   |   |              |              | $\vdash$   | _              |              | Т            |               | Н               |
| $\Box$          | 46   |   | т            | $\vdash$     | М  | Н              | _            | М            |               | $\vdash$        |
| $\Box$          | 47   |   |              | Н            | Н  | Н              | Т            | Н            |               | $\vdash$        |
| $\vdash \vdash$ | 48   |   | $\vdash$     | $\vdash$     | -  | $\vdash$       | $\vdash$     | -            |               | $\dashv$        |
| H               | 49   | -   |              | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$     | Η.           | _             | $\dashv$        |
| $\vdash$        | 50   | -   |              | $\vdash$     |  | -              | -            |              |               | $\dashv$        |
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| ı  |       | 51                   | T             |          |  | Т        |          | Г  |          |          |          |  |
| ŀ  |       | 52                   | $\vdash$      | $\vdash$ | -  |          |          | $\vdash$                                     | $\vdash$ | -        | ┝        |  |
| H  |       | 51<br>52<br>53       | ⊢             | <u> </u> | <del></del>  | ├-       | Ŀ        | ⊢  | $\vdash$ | -        |          |  |
| ŀ  |       | 23                   | <u> </u>      | <u> </u> | ┞  | _        | _        | <u> </u>                                     |          | <u> </u> | <u> </u> |  |
| L  |       | 54                   | $oxed{oxed}$  |          | _  |          | _        | _  | _        | _        | L.       |  |
| L  |       | 54<br>55             | L             |          |  |          |          |  |          |          | L        |  |
|    |       | 56                   |               |          |  |          |          | <u> </u>                                     |          |          |          |  |
| Γ  |       | 57                   | Γ             |          |  |          |          |  |          |          |          |  |
| Ī  |       | 58                   | Г             |          |  |          |          |  |          |          |          |  |
| ı  |       | 59                   | $\vdash$      |          | $\vdash$   |          |          |  |          |          |          |  |
| ۲  |       | 60                   |               |          | $\vdash$   | $\vdash$ |          | $\vdash$                                     | _        | _        | ┢        |  |
| ŀ  |       | 61                   | ┝             |          |  | H        |          | $\vdash$                                     | -        | <u> </u> | ┝        |  |
| ŀ  |       | 60                   | ⊢             | _        | -  | ⊢        |          | <u> —                                   </u> | <u> </u> | <u> </u> |          |  |
| ŀ  |       | 62<br>63             | ⊢             |          | ├  | ┡        | _        | -  | <u> </u> | $\vdash$ | ⊢        |  |
| L  |       | 63                   | $\vdash$      |          | <u> </u>   | $\vdash$ | <u> </u> | <u> </u>                                     | <u> </u> | <u> </u> | <u> </u> |  |
| L  |       | 64                   | <u> </u>      | <u> </u> | <u> </u>   | <u> </u> | _        | _  | _        |          |          |  |
| L  |       | 65<br>66             |               |          | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |          |          |  |          |          | _        |  |
| ſ  |       | 66                   | L             | L        | L  | L        | L        | L  | L        |          | L        |  |
| ſ  |       | 67                   |               |          |  |          | I        | I  |          |          |          |  |
| T  |       | 68                   | Г             | Г        |  |          |          |  |          |          |          |  |
| T  |       | 68<br>69             |               |          |  |          |          |  |          |          |          |  |
| ı  |       | 70                   | $\vdash$      | $\vdash$ |  |          |          |  |          | _        |          |  |
| ŀ  |       | 70<br>71             |               |          | -  | -        |          | $\vdash$                                     | $\vdash$ |          |          |  |
| ŀ  |       | 72                   | -             | -        | -  | -        | ┝        | ├-   | ⊢        | -        | _        |  |
| ŀ  |       | 73                   | ⊢             | ⊢        | _  | ┢        | $\vdash$ | ┢  | -        | H        |          |  |
| ŀ  |       | 74                   | ⊢             | $\vdash$ | <del> </del>   |          | -        | ⊢  | ⊨        |          |          |  |
| ŀ  |       | 72<br>73<br>74<br>75 | ┝             | ⊢        | ⊢  | _        | -        | -  | -        |          | _        |  |
| ŀ  |       | 76                   | ⊢             | ┝        | ⊢  | -        | ┝        | ├  | <u> </u> | H        | ├        |  |
| ŀ  |       | 76<br>77             | ┝             | ⊢        | $\vdash$   |          | -        | ┝  | _        | _        | _        |  |
| ŀ  |       | 70                   | -             | ├        | ⊢  | <u> </u> | -        | -  |          |          |          |  |
| ŀ  |       | 78                   | _             | ⊢        | <u> </u>   | _        | _        | ├  | _        | _        | -        |  |
| -  |       | 79                   | _             | <u> </u> | _  |          | _        | <u> </u>                                     | _        |          | _        |  |
| -  |       | 80                   | _             |          |  |          | _        |  | _        | _        | _        |  |
| L  |       | 81<br>82             | _             | L_       | _  |          | _        | <u> </u>                                     |          |          |          |  |
| L  |       | 82                   |               | _        |  | _        | L        |  |          |          |          |  |
| L  |       | 83                   |               |          |  |          |          | L  |          |          |          |  |
|    |       | 84                   |               |          |  |          |          |  |          |          |          |  |
| -{ |       | 85                   |               | L        |  |          | L        |  |          |          |          |  |
| -[ |       | 86                   |               |          |  |          | L        |  |          |          |          |  |
| Г  |       | 87                   |               |          |  |          |          |  |          |          |          |  |
| Γ  |       | 88                   |               |          | Π  | Π        |          |  |          |          |          |  |
| Γ  |       | 89                   |               |          |  |          |          |  |          |          |          |  |
|    |       | 90                   |               |          |  |          |          |  |          |          |          |  |
| Γ  |       | 91                   |               |          |  |          |          |  |          |          |          |  |
|    |       | 92                   |               |          |  |          |          |  |          |          |          |  |
|    |       | 93                   |               |          |  |          |          | •  |          |          |          |  |
|    |       | 94                   |               |          |  |          |          |  |          |          |          |  |
| ſ  |       | 95                   |               |          |  |          |          |  |          |          |          |  |
|    |       | 96                   |               |          |  |          |          |  |          |          |          |  |
|    |       | 97                   |               |          | Ĺ  |          |          |  |          |          |          |  |
|    |       | 98                   |               |          |  |          |          |  |          |          |          |  |
|    | - 7   | 99                   |               |          |  |          |          |  |          |          |          |  |
| Γ  |       | 100                  |               |          |  |          |          |  |          |          |          |  |

| Claim  |                   |          |               |          | _            | Date     |  |          |  | $\neg$          |
|--------|-------------------|----------|---------------|----------|--------------|----------|--|----------|--|-----------------|
|        |                   |          | $\overline{}$ | Γ        | _            | Ė        | Г  | Π        | Γ  | П               |
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| Final  | ij                | i        |               |          |              |          |  | ĺ        |  | ΙI              |
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|        |                   | <u></u>  | <u> </u>      | _        |              | ╙        | _  | _        | <u> </u>   | Ш               |
|        | 101               |          |               |          |              | L        |  |          | <u></u>  | Ш               |
|        | 101<br>102        |          |               |          |              | L        |  |          |  | -               |
|        | 103               |          |               |          |              |          |  |          |  |                 |
|        | 104<br>105        |          |               |          |              |          |  |          |  |                 |
|        | 105               |          |               |          |              |          |  |          |  | П               |
|        | 106               |          | Г             |          |              | $\vdash$ | _  | $\vdash$ |  | т               |
|        | 107               | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$   | Н               |
|        | 108               | <u> </u> | $\vdash$      | $\vdash$ | -            | $\vdash$ |  | _        | <del>                                     </del> | Н               |
|        | 109               | ┝        | -             | -        | -            | -        | -  | _        | ┢  | Н               |
|        | 109               | -        | ┝             | ┝        | _            | ⊢        | _  | _        | ⊢  | $\vdash$        |
|        | 110               | $\vdash$ | <u> </u>      | <u> </u> | ├            | $\vdash$ | ├  | <u> </u> | <u> </u>   | Н               |
|        | 111               | <u> </u> | <u> </u>      | <u> </u> | <u> </u>     | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   | Ш               |
| •      | 112               | L        | <u> </u>      | L        | L            | L        | L_   |          | <u> </u>   | Ŀ               |
|        | 113               | <u></u>  | <u> </u>      | L        | <u>L</u>     | <u>L</u> |  | L        | _  | Ш               |
|        | 112<br>113<br>114 |          |               |          |              |          |  |          |  |                 |
|        | 115               |          | L             | L        |              |          | L  |          |  |                 |
|        | 115<br>116        |          |               |          |              | _        | _  |          |  |                 |
|        | 117               |          |               |          |              |          |  |          |  |                 |
|        | 118               |          | Г             |          |              |          |  |          |  | П               |
|        | 119               |          | F             |          | Г            | Г        |  | Г        |  | П               |
|        | 120               | _        |               | _        |              | 1        | _  |          | _  | М               |
|        | 120<br>121<br>122 |          |               | $\vdash$ |              |          | $\vdash$   | _        | _  | Н               |
| _      | 122               |          |               |          | $\vdash$     | _        | _  |          |  | Н               |
|        | 123<br>124<br>125 |          |               | _        |              | _        | _  | $\vdash$ | _  | П               |
|        | 124               |          |               | -        |              | T        | $\vdash$   |          |  | П               |
| -      | 125               |          | $\vdash$      | _        | ┢            | $\vdash$ | -  | _        | _  | Н               |
|        | 126               | -        | ┢             | _        | -            | -        | -  | -        |  | Н               |
|        | 126<br>127<br>128 |          | -             | _        | ┢            | ┢        | <del>                                     </del> | $\vdash$ | _  | Н               |
|        | 128               | Н        | $\vdash$      | -        | -            | ┢        | -  | ┝        | _  | $\vdash$        |
|        | 120               | -        | ┝             | -        | -            | ┢        | -  | $\vdash$ |  | Н               |
|        | 129<br>130        | -        | -             |          | <del> </del> | ├        | ├  | $\vdash$ | <u> </u>   | Н               |
|        | 130               | <u> </u> | ├             | <u> </u> | <del> </del> | -        |  | <u> </u> | <u> </u>   | $\vdash \vdash$ |
|        | 131<br>132        | <u> </u> | <u> </u>      | <u> </u> | <u> </u>     | <u>—</u> | <u> </u>   | <u> </u> | <u> </u>   | Н               |
|        | 132               | <u> </u> | <u> </u>      | <u> </u> | ⊢            | ⊢        | <u> </u>   | <u> </u> | _  | Ш               |
|        | 133               | L        | <u> </u>      | L        |              | _        | <u> </u>   | <u> </u> | L_   | Ш               |
|        | 134<br>135        | Щ        |               |          | <u> </u>     | _        | <u> </u>   | _        | <u> </u>   | Ш               |
|        | 135               | <u> </u> | _             |          | <u> </u>     | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _        | Ŀ  | Ш               |
|        | 136               |          | 匚             | L_       | <u></u>      | 匚        | <u></u>  |          |  | Ш               |
|        | 137<br>138        |          |               |          |              |          | L  |          |  |                 |
|        | 138               |          |               |          | Ĺ            |          |  | L        |  |                 |
|        | 139               |          |               |          |              |          |  |          |  |                 |
|        | 140               |          |               |          |              |          |  |          |  |                 |
|        | 141               |          |               |          |              |          |  |          |  | П               |
|        | 142               |          |               |          |              |          |  |          |  | П               |
|        | 143               |          |               |          |              |          |  |          |  | П               |
| -1     | 144               |          |               |          |              |          | Т  |          |  | П               |
| $\neg$ | 145               |          |               |          |              |          |  | -        |  | П               |
|        | 146               |          |               |          |              | Г        |  |          |  | П               |
|        | 147               |          |               |          |              |          |  |          |  | Н               |
|        | 148               |          |               |          |              | $\vdash$ |  |          |  | H               |
|        | 149               | $\vdash$ | _             |          |              | -        | -  | _        | _  | $\vdash$        |
|        | 150               |          |               |          |              | $\vdash$ |  |          |  | Н               |
|        |                   |          |               |          |              |          | L  |          | L  | ш               |